

Title (en)
Thread spacer

Title (de)
Gewindeabstandhalter

Title (fr)
Espaceur de filetage

Publication
EP 1519001 B1 20071212 (EN)

Application
EP 04255558 A 20040914

Priority
US 48139503 P 20030918

Abstract (en)
[origin: EP1519001A1] A thread spacer (50) for drill pipe with an attached flange (80) is disclosed that is designed to easily break away from a thin thread spacer body. Also disclosed is a thread spacer with a separate flange (82), the thread spacer and flange each independently fixed to the drill pipe. The thread spacer assembly may include none, one or two flanges, for single or double shouldered threaded connections. In addition, a flange for a thread spacer is disclosed which has a thickness that takes into consideration not only the displacement in the pipes caused by the insertion of the thread spacer, but also compensated to provide the same stress on the shoulders as the joined pipes without a thread spacer. Thread spacer and flange retention apparatus are also disclosed, which retain the flange and/or thread spacer on the pipe connections when the pipes are separated. <IMAGE>

IPC 8 full level
E21B 17/042 (2006.01); **F16L 15/04** (2006.01); **F16L 15/08** (2006.01)

CPC (source: EP US)
E21B 17/042 (2013.01 - EP US); **F16L 15/001** (2013.01 - EP US); **F16L 15/003** (2013.01 - EP US); **F16L 15/08** (2013.01 - EP US)

Cited by
CN105526439A; EP1967780A1; GB2452172A; GB2452172B; US8869900B2; US8002043B2; WO2009077735A1; WO2007117630A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1519001 A1 20050330; EP 1519001 B1 20071212; AT E380922 T1 20071215; CA 2481960 A1 20050318; DE 602004010587 D1 20080124; DE 602004010587 T2 20081211; US 2005062288 A1 20050324

DOCDB simple family (application)
EP 04255558 A 20040914; AT 04255558 T 20040914; CA 2481960 A 20040917; DE 602004010587 T 20040914; US 71135904 A 20040914